



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 10071908
SAU: Auburn School Department
School: Park Avenue Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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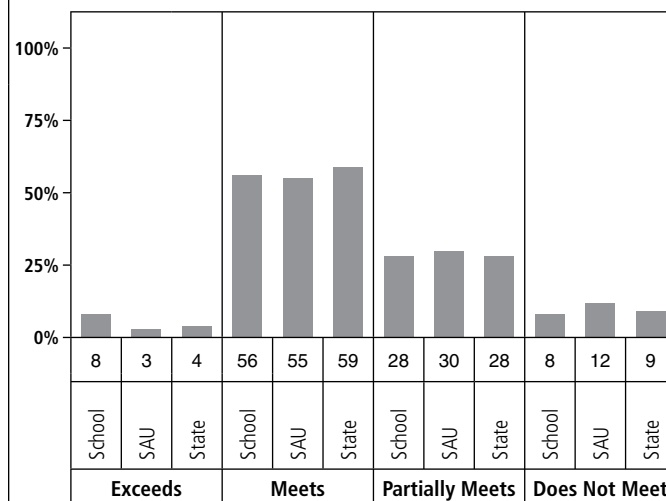
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: Auburn School Department
School: Park Avenue Elementary School

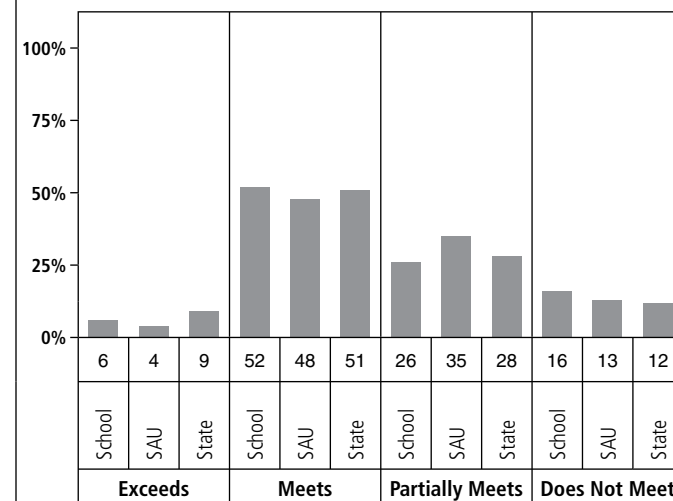
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006		442	444
2006–2007	444	445	445
2007–2008	444	443	445
Cum. Avg. *		443	445
Mathematics			
2005–2006		443	444
2006–2007	440	444	445
2007–2008	444	443	445
Cum. Avg. *		443	445
Science & Technology			
2005–2006		443	444
2006–2007	442	444	444
2007–2008	443	442	444
Cum. Avg. *		443	444

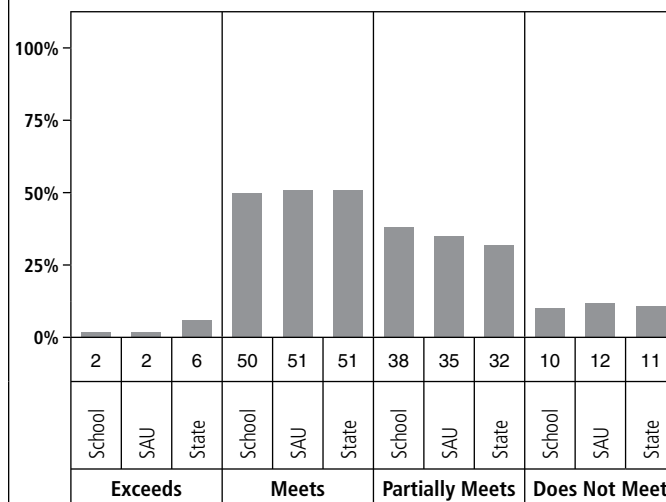
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	50	100	267	100	14207	100	50	100	267	100	14181	100	50	100	267	100	14123	100	50	100	267	100	14115	99						
Ethnicity African American/Black	9	18	19	7	390	3	9	100	19	100	388	99	9	100	19	100	388	99	9	100	19	100	386	99						
American Indian or Native Alaskan	0	0	2	1	101	1	0	0	2	100	101	100	0	0	2	100	101	100	0	0	2	100	101	100						
Asian or Pacific Islander	6	12	8	3	263	2	6	100	8	100	259	98	6	100	8	100	262	100	6	100	8	100	262	100						
Hispanic	2	4	7	3	170	1	2	100	7	100	168	99	2	100	7	100	166	98	2	100	7	100	166	98						
Caucasian/White	33	66	231	87	13282	93	33	100	231	100	13264	100	33	100	231	100	13205	100	33	100	231	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	10	20	67	25	2524	18	10	100	67	100	2514	100	10	100	67	100	2498	99	10	100	67	100	2494	99						
Current LEP	13	26	14	5	385	3	13	100	14	100	377	98	13	100	14	100	383	99	13	100	14	100	380	99						
Economically disadvantaged	26	52	118	44	5587	39	26	100	118	100	5569	100	26	100	118	100	5538	99	26	100	118	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	30	60	167	63	10755	76	30	60	167	63	10730	76	30	60	168	63	10776	76						
Identified disability (PET/IEP)	0	0	4	2	375	3	0	0	5	3	374	3	0	0	5	3	384	4						
LEP	2	7	3	2	148	1	2	7	3	2	148	1	2	7	3	2	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	20	40	98	37	3298	23	20	40	98	37	3267	23	20	40	97	36	3215	23						
Identified disability (PET/IEP)	10	50	61	62	2013	61	10	50	60	61	1998	61	10	50	60	62	1986	62						
LEP	11	55	11	11	225	7	11	55	11	11	233	7	11	55	11	11	229	7						
504 plan	0	0	1	1	69	2	0	0	1	1	68	2	0	0	1	1	67	2						
Other	2	10	29	30	1046	32	2	10	30	31	1023	31	2	10	29	30	987	31						
Participation through alternate assessment (PAAP)	0	0	2	1	126	1	0	0	2	1	126	1	0	0	2	1	124	1						
Identified disability (PET/IEP)	0	0	2	100	126	100	0	0	2	100	126	100	0	0	2	100	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: Auburn School Department
School: Park Avenue Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006			7	3	601	4
	2006-2007	1	3	4	2	507	4
	2007-2008	4	8	7	3	559	4
	Cum. Total*			18	2	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006			132	52	7910	57
	2006-2007	22	56	136	64	8749	63
	2007-2008	28	56	146	55	8308	59
	Cum. Total*			414	57	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006			86	34	3970	29
	2006-2007	13	33	65	31	3467	25
	2007-2008	14	28	79	30	3922	28
	Cum. Total*			230	31	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006			29	11	1421	10
	2006-2007	3	8	8	4	1165	8
	2007-2008	4	8	33	12	1264	9
	Cum. Total*			70	10	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	29.7	61.9	28.4	59.2	29.7	61.9
Literary Text	24	50	15.0	62.5	14.8	61.7	15.5	64.6
Informational Text	24	50	14.6	60.8	13.6	56.7	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	4	8	28	56	14	28	4	8	444	265	3	55	30	12	443	14053	4	59	28	9	445
Ethnicity																						
African American/Black	9	0	0	5	56	2	22	2	22	439	19	0	42	37	21	439	384	1	36	35	28	438
American Indian or Native Alaskan	0										2						101	1	46	44	10	442
Asian or Pacific Islander	6	1	17	2	33	2	33	1	17	445	8	13	50	25	13	444	259	6	61	22	11	445
Hispanic	2										7	0	71	14	14	444	164	0	45	38	16	440
Caucasian/White	33	3	9	20	61	9	27	1	3	446	229	3	55	30	12	443	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	10	0	0	3	30	5	50	2	20	436	65	0	28	40	32	436	2388	0	29	44	26	437
No	40	4	10	25	63	9	23	2	5	447	200	4	64	27	6	445	11665	5	65	25	6	446
Current LEP																						
Yes	13	0	0	5	38	5	38	3	23	437	14	0	43	36	21	437	373	1	32	35	32	436
No	37	4	11	23	62	9	24	1	3	447	251	3	56	29	12	443	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	26	2	8	9	35	11	42	4	15	440	117	2	46	37	15	441	5502	1	47	37	14	441
No	24	2	8	19	79	3	13	0	0	449	148	3	62	24	10	445	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	50	4	8	28	56	14	28	4	8	444	265	3	55	30	12	443	14048	4	59	28	9	445
Gender																						
Female	23	4	17	12	52	7	30	0	0	449	134	4	61	28	7	445	6959	5	61	26	8	446
Male	27	0	0	16	59	7	26	4	15	440	131	2	49	31	18	441	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	1										22	0	36	45	18	438	1890	0	37	46	17	439
No	49	4	8	27	55	14	29	4	8	444	243	3	57	28	12	443	12163	5	63	25	8	446
Gifted/talented program																						
Yes	6	3	50	3	50	0	0	0	0	459	12	42	58	0	0	458	266	21	74	4	0	456
No	44	1	2	25	57	14	32	4	9	442	253	1	55	31	13	442	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	33	1	33	1	33	435	6	0	33	20	47	434	5	1	42	36	21	440
B. less than one hour	80	4	10	24	62	10	26	1	3	446	78	3	58	29	11	444	74	4	62	27	7	445
C. one to two hours	6	0	0	3	100	0	0	0	0	449	13	3	54	40	3	444	18	5	59	29	7	446
D. more than two hours	8	0	0	0	0	2	50	2	50	433	3	0	29	29	43	437	2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	29	2	14	9	64	2	14	1	7	446	34	3	63	25	9	445	30	6	63	24	7	446
B. They match some of what I have learned.	59	2	7	19	66	6	21	2	7	446	48	3	59	26	12	444	52	4	63	27	6	446
C. They match just a little of what I have learned.	10	0	0	0	0	4	80	1	20	430	13	0	30	52	18	437	12	2	46	37	15	441
D. There is no match.	2	0	0	0	0	1	100	0	0	440	5	0	31	38	31	438	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	53	3	12	18	69	3	12	2	8	447	49	4	62	23	11	445	35	7	66	20	6	448
B. good	39	1	5	10	53	7	37	1	5	443	38	2	59	29	10	443	51	3	60	29	7	445
C. fair	2	0	0	0	0	1	100	0	0	432	11	0	29	50	21	438	12	1	44	40	16	440
D. poor	6	0	0	0	0	2	67	1	33	436	3	0	0	57	43	435	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	14	0	0	3	43	4	57	0	0	444	20	2	43	39	16	442	19	2	46	34	17	442
B. about the same as my regular schoolwork	59	4	14	16	55	7	24	2	7	446	60	4	60	29	7	444	62	5	64	26	5	446
C. easier than my regular schoolwork	27	0	0	9	69	2	15	2	15	442	21	0	56	20	24	441	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	16	0	0	1	13	5	63	2	25	438	21	0	26	46	28	438	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	39	1	5	11	58	6	32	1	5	443	52	2	62	31	5	444	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	45	3	14	16	73	2	9	1	5	448	27	6	66	14	14	445	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	20	1	10	5	50	4	40	0	0	445	15	5	62	28	5	445	18	7	64	22	7	447
B. 20 minutes to an hour	63	3	10	21	68	6	19	1	3	446	54	3	61	29	7	445	55	4	64	26	6	446
C. less than 20 minutes	6	0	0	1	33	2	67	0	0	443	17	0	52	33	15	442	14	2	53	33	12	443
D. I rarely read at home.	10	0	0	1	20	1	20	3	60	433	13	0	29	31	40	435	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	26	0	0	7	58	5	42	0	0	442	27	0	41	40	19	439	23	3	50	34	13	442
B. six to ten pages	23	1	9	6	55	3	27	1	9	446	23	2	54	36	8	443	25	3	60	29	8	444
C. eleven or more pages	51	3	13	15	63	4	17	2	8	447	50	5	65	19	11	446	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										29	0	50	50	0	441						
B.	0										14	0	100	0	0	448						
C.	100	0	0	0	0	1	100	0	0	440	43	0	33	67	0	441						
D.	0										14	0	100	0	0	452						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: Auburn School Department
School: Park Avenue Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006			20	8	1294	9
	2006-2007	1	2	12	6	1054	8
	2007-2008	3	6	11	4	1321	9
	Cum. Total*			43	6	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006			132	52	7000	50
	2006-2007	18	44	112	52	7394	53
	2007-2008	26	52	128	48	7079	51
	Cum. Total*			372	51	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006			60	23	3784	27
	2006-2007	15	37	63	29	3729	27
	2007-2008	13	26	92	35	3955	28
	Cum. Total*			215	29	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006			44	17	1894	14
	2006-2007	7	17	28	13	1735	12
	2007-2008	8	16	34	13	1642	12
	Cum. Total*			106	14	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	9.8	65.3	9.4	62.7	9.5	63.3
Cluster 2: Shape and Size	14	29	8.2	58.6	8.3	59.3	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.4	68.0	3.2	64.0	3.4	68.0
Cluster 4: Patterns	14	29	9.5	67.9	9.6	68.6	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	3	6	26	52	13	26	8	16	444	265	4	48	35	13	443	13997	9	51	28	12	445
Ethnicity																						
African American/Black	9	0	0	1	11	4	44	4	44	431	19	0	26	32	42	432	386	4	26	34	36	434
American Indian or Native Alaskan	0										2						101	3	46	41	11	442
Asian or Pacific Islander	6	0	0	4	67	2	33	0	0	449	8	0	63	38	0	447	262	14	51	23	12	447
Hispanic	2										7	0	57	29	14	443	162	4	41	34	21	440
Caucasian/White	33	3	9	20	61	6	18	4	12	446	229	5	50	34	11	444	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	10	0	0	3	30	3	30	4	40	432	65	0	31	42	28	436	2372	3	31	36	30	436
No	40	3	8	23	58	10	25	4	10	447	200	6	54	33	8	445	11625	11	54	27	8	447
Current LEP																						
Yes	13	0	0	2	15	7	54	4	31	435	14	0	21	50	29	436	381	4	33	28	35	435
No	37	3	8	24	65	6	16	4	11	447	251	4	50	34	12	443	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	26	1	4	10	38	7	27	8	31	439	117	3	37	41	20	440	5472	5	41	35	19	440
No	24	2	8	16	67	6	25	0	0	449	148	5	57	30	7	445	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	50	3	6	26	52	13	26	8	16	444	265	4	48	35	13	443	13992	9	51	28	12	445
Gender																						
Female	23	2	9	14	61	3	13	4	17	446	134	3	49	37	11	443	6933	9	50	29	12	445
Male	27	1	4	12	44	10	37	4	15	442	131	5	47	33	15	443	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	1										22	0	27	50	23	435	1890	2	34	41	23	438
No	49	3	6	26	53	12	24	8	16	444	243	5	50	33	12	444	12107	11	53	26	10	446
Gifted/talented program																						
Yes	6	2	33	4	67	0	0	0	0	463	12	50	50	0	0	463	266	45	49	5	0	461
No	44	1	2	22	50	13	30	8	18	441	253	2	48	36	13	442	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	33	1	33	1	33	443	6	0	33	33	33	437	5	6	34	33	27	438
B. less than one hour	80	3	8	22	56	10	26	4	10	446	78	4	50	36	11	443	74	10	52	28	10	446
C. one to two hours	6	0	0	2	67	1	33	0	0	441	13	9	46	37	9	445	18	10	52	28	10	446
D. more than two hours	8	0	0	1	25	1	25	2	50	434	3	0	43	14	43	438	2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	33	1	6	9	56	5	31	1	6	447	37	5	57	28	9	445	38	13	56	23	8	448
B. They match some of what I have learned.	47	2	9	13	57	5	22	3	13	446	45	3	49	37	11	443	48	8	52	29	10	445
C. They match just a little of what I have learned.	16	0	0	4	50	1	13	3	38	439	14	6	31	36	28	438	10	4	35	39	22	439
D. There is no match.	4	0	0	0	0	2	100	0	0	440	5	0	25	67	8	440	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	2	13	9	56	3	19	2	13	450	35	8	56	27	10	447	35	16	55	20	8	449
B. good	61	1	3	16	53	9	30	4	13	442	48	2	48	38	12	442	48	7	52	31	11	445
C. fair	6	0	0	1	33	1	33	1	33	437	15	5	31	44	21	440	14	3	41	38	18	440
D. poor	0										2	0	40	40	20	439	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	12	0	0	3	50	2	33	1	17	445	15	3	24	50	24	437	15	4	38	33	25	439
B. about the same as my regular schoolwork	61	3	10	16	53	7	23	4	13	446	63	5	57	30	9	446	64	10	54	28	9	446
C. easier than my regular schoolwork	27	0	0	7	54	4	31	2	15	442	22	3	41	41	14	440	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	22	0	0	6	55	4	36	1	9	442	29	1	37	47	15	440	23	8	47	29	16	443
B. two or three days a week	35	1	6	11	65	3	18	2	12	448	30	6	57	27	10	446	36	11	54	27	9	447
C. two or three times each month	33	2	13	8	50	4	25	2	13	447	24	6	54	29	11	445	25	10	53	27	10	446
D. never or almost never	10	0	0	1	20	2	40	2	40	435	17	2	43	39	15	441	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	0	0	1	100	0	0	440	6	0	33	47	20	438	5	3	30	33	33	436
B. two or three days a week	27	2	15	5	38	3	23	3	23	446	21	4	47	35	15	443	19	8	50	30	12	445
C. two or three times each month	55	1	4	19	70	6	22	1	4	447	44	7	55	27	11	445	38	11	55	26	8	447
D. never or almost never	16	0	0	2	25	3	38	3	38	434	29	1	42	45	12	440	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	2	0	0	0	0	1	100	0	0	434	6	0	35	47	18	440	8	3	33	38	25	438
B. 30–45 minutes	39	1	5	10	53	4	21	4	21	443	26	3	56	24	18	444	27	6	48	33	13	443
C. 45–60 minutes	31	2	13	9	60	3	20	1	7	446	25	9	48	37	6	444	38	11	54	26	9	447
D. more than 60 minutes	29	0	0	7	50	5	36	2	14	445	43	3	46	39	12	443	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										29	0	50	0	50	440						
B.	0										14	0	100	0	0	460						
C.	100	0	0	0	0	1	100	0	0	438	43	0	33	33	33	436						
D.	0										14	0	100	0	0	454						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: Auburn School Department
School: Park Avenue Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006			11	4	751	5
	2006-2007	0	0	15	7	963	7
	2007-2008	1	2	6	2	882	6
	Cum. Total*			32	4	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006			131	51	7251	52
	2006-2007	16	41	98	46	6824	49
	2007-2008	25	50	134	51	7130	51
	Cum. Total*			363	49	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006			87	34	4514	32
	2006-2007	20	51	80	38	4382	32
	2007-2008	19	38	93	35	4433	32
	Cum. Total*			260	35	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006			28	11	1458	10
	2006-2007	3	8	20	9	1735	12
	2007-2008	5	10	32	12	1546	11
	Cum. Total*			80	11	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.3	69.2	8.0	66.7	8.0	66.7
Cluster 2: Physical Sciences	12	25	7.1	59.2	6.9	57.5	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	7.2	60.0	7.3	60.8	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.3	60.8	7.2	60.0	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	1	2	25	50	19	38	5	10	443	265	2	51	35	12	442	13991	6	51	32	11	444
Ethnicity																						
African American/Black	9	0	0	1	11	6	67	2	22	436	19	0	16	53	32	435	385	2	27	35	36	434
American Indian or Native Alaskan	0										2						101	3	44	44	10	441
Asian or Pacific Islander	6	0	0	3	50	2	33	1	17	441	8	0	50	38	13	442	262	5	52	28	14	443
Hispanic	2										7	14	43	29	14	442	162	2	38	39	21	439
Caucasian/White	33	1	3	20	61	10	30	2	6	446	229	2	54	34	10	443	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	10	0	0	2	20	5	50	3	30	435	65	5	28	42	26	437	2370	2	32	41	25	437
No	40	1	3	23	58	14	35	2	5	445	200	2	58	33	8	444	11621	7	55	30	8	445
Current LEP																						
Yes	13	0	0	1	8	9	69	3	23	435	14	0	7	71	21	435	379	1	25	35	39	433
No	37	1	3	24	65	10	27	2	5	446	251	2	53	33	12	443	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	26	0	0	8	31	14	54	4	15	438	117	1	41	44	15	440	5470	3	41	39	18	440
No	24	1	4	17	71	5	21	1	4	449	148	3	58	28	10	444	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	50	1	2	25	50	19	38	5	10	443	265	2	51	35	12	442	13986	6	51	32	11	444
Gender																						
Female	23	1	4	12	52	9	39	1	4	445	134	1	49	40	9	442	6929	6	49	33	12	443
Male	27	0	0	13	48	10	37	4	15	442	131	3	52	30	15	443	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	1										22	0	27	55	18	436	1888	1	32	44	23	437
No	49	1	2	25	51	18	37	5	10	444	243	2	53	33	12	443	12103	7	54	30	9	445
Gifted/talented program																						
Yes	6	1	17	5	83	0	0	0	0	459	12	8	92	0	0	459	266	30	65	5	1	457
No	44	0	0	20	45	19	43	5	11	441	253	2	49	37	13	442	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Auburn School Department
 School: Park Avenue Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	33	2	67	0	0	443	6	0	33	53	13	439	5	4	37	36	22	439
B. less than one hour	80	1	3	21	54	14	36	3	8	445	78	2	51	34	12	443	74	6	53	31	10	444
C. one to two hours	6	0	0	2	67	1	33	0	0	445	13	3	57	34	6	444	18	7	52	32	8	445
D. more than two hours	8	0	0	0	0	2	50	2	50	429	3	0	29	29	43	434	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	37	1	6	8	44	8	44	1	6	446	28	3	49	37	11	443	24	9	53	28	10	446
B. They match some of what I have learned.	47	0	0	13	57	9	39	1	4	444	48	3	60	31	6	445	49	6	54	31	9	445
C. They match just a little of what I have learned.	10	0	0	2	40	1	20	2	40	437	17	0	35	41	24	438	21	4	47	36	13	442
D. There is no match.	6	0	0	1	33	1	33	1	33	434	7	0	32	37	32	436	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	45	0	0	11	50	9	41	2	9	442	36	3	52	31	14	443	25	9	53	27	10	446
B. good	45	1	5	13	59	7	32	1	5	448	44	2	56	32	9	444	54	6	55	30	9	445
C. fair	6	0	0	0	0	2	67	1	33	431	16	2	38	48	12	440	19	3	43	40	15	441
D. poor	4	0	0	0	0	1	50	1	50	426	4	0	20	50	30	433	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	10	0	0	2	40	2	40	1	20	438	21	0	44	35	22	439	22	5	45	35	15	442
B. about the same as my regular schoolwork	65	1	3	16	50	11	34	4	13	444	63	3	52	36	9	443	62	7	53	31	9	445
C. easier than my regular schoolwork	24	0	0	6	50	6	50	0	0	444	16	2	52	33	12	443	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	55	1	4	13	48	13	48	0	0	446	39	4	53	37	6	445	24	7	48	33	12	444
B. a few times a week	39	0	0	10	53	5	26	4	21	441	55	1	51	33	15	441	53	7	54	31	9	445
C. once a week	4	0	0	1	50	0	0	1	50	440	3	0	14	57	29	436	9	6	46	33	15	442
D. a few times a month	2	0	0	0	0	1	100	0	0	432	3	0	33	33	33	437	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	23	0	0	6	55	3	27	2	18	443	19	0	38	46	16	439	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	35	0	0	8	47	8	47	1	6	443	36	2	49	38	11	442	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	23	1	9	7	64	3	27	0	0	449	20	4	60	29	8	445	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	19	0	0	3	33	4	44	2	22	438	25	3	55	26	15	444	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										29	0	100	0	0	448						
B.	0										14	0	100	0	0	448						
C.	100	0	0	1	100	0	0	0	0	444	43	0	67	0	33	437						
D.	0										14	0	100	0	0	444						